

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\F121724AL\
 Data File : FC068027.D
 Signal(s) : FID1A.ch
 Acq On : 17 Dec 2024 22:22
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/18/2024
 Supervised By :Ankita Jodhani 12/18/2024

Integration File: autoint1.e
 Quant Time: Dec 18 01:20:39 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 121024.M
 Quant Title : GC Extractables
 QLast Update : Tue Dec 10 07:59:10 2024
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 ul
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.448	3238304	18.728 ug/ml
Spiked Amount 50.000		Recovery =	37.46%
12) S 1-chlorooctadecane (S...	12.889	2406111	18.858 ug/ml
Spiked Amount 50.000		Recovery =	37.72%
Target Compounds			
1) T n-Nonane (C9)	3.234	2970298	19.118 ug/ml
2) T n-Decane (C10)	4.296	3047278	19.223 ug/ml
3) T A~Naphthalene (C11.7)	5.869	3348978	19.183 ug/ml
4) T n-Dodecane (C12)	6.310	3078494	19.119 ug/ml
5) T A~2-methylnaphthalene...	6.924	3213243	19.178 ug/ml
6) T n-Tetradecane (C14)	8.101	3026344	19.034 ug/ml
7) T n-Hexadecane (C16)	9.700	3065375	18.974 ug/ml
8) T n-Octadecane (C18)	11.140	3020630	18.815 ug/ml
10) T n-Eicosane (C20)	12.448	2827770	18.798 ug/ml
11) T n-Heneicosane (C21)	13.058	2742207	18.767 ug/ml
13) T n-Docosane (C22)	13.644	2710284	18.934 ug/ml
14) T n-Tetracosane (C24)	14.746	2667581	19.198 ug/ml
15) T n-Hexacosane (C26)	15.765	2572618	19.237 ug/ml
16) T n-Octacosane (C28)	16.713	2715586	20.936 ug/ml
17) T n-Tricontane (C30)	17.600	3010935	23.243 ug/ml
18) T n-Dotriacontane (C32)	18.432	2942670	23.753 ug/ml
19) T n-Tetratriacontane (C34)	19.215	2551710	23.378 ug/mlm
20) T n-Hexatriacontane (C36)	19.951	2168862	22.924 ug/mlm
21) T n-Octatriacontane (C38)	20.671	2159569	23.873 ug/mlm
22) T n-Tetracontane (C40)	21.541	1915673	21.735 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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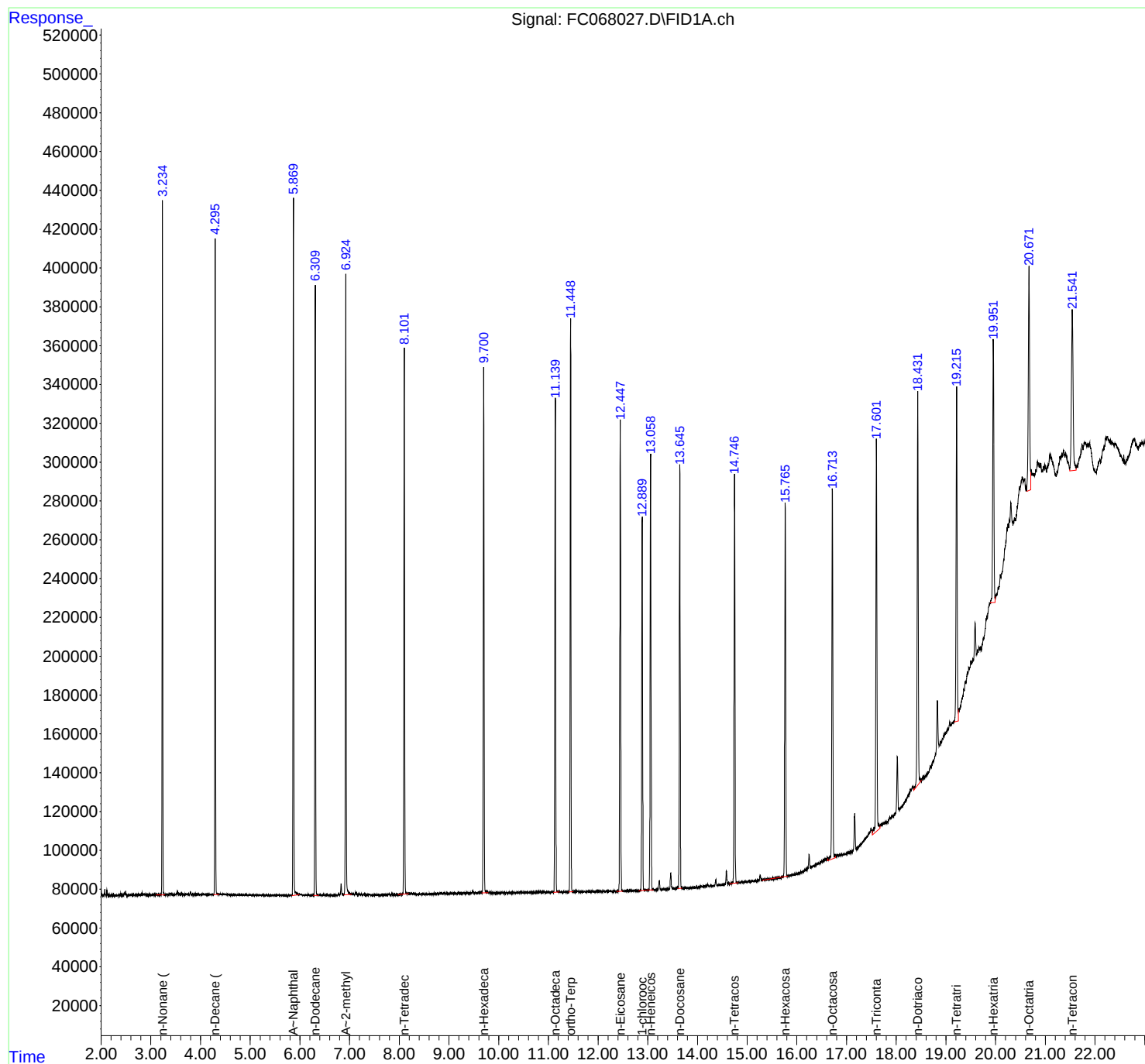
Instrument :
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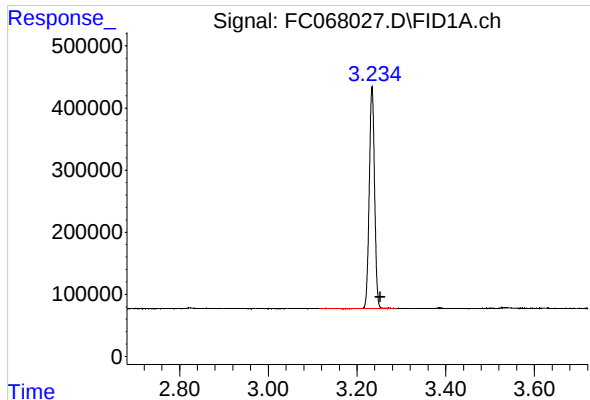
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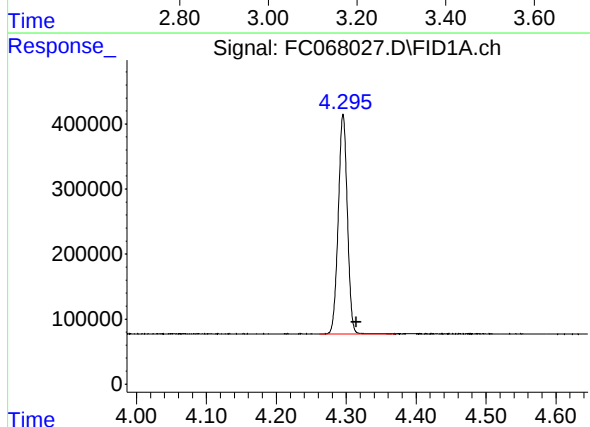
#1 n-Nonane (C9)

R.T.: 3.234 min
Delta R.T.: -0.018 min
Response: 2970298
Conc: 19.12 ug/ml

Instrument : FID_C
ClientSampleId : 20 PPM ALIPHATIC HC STD

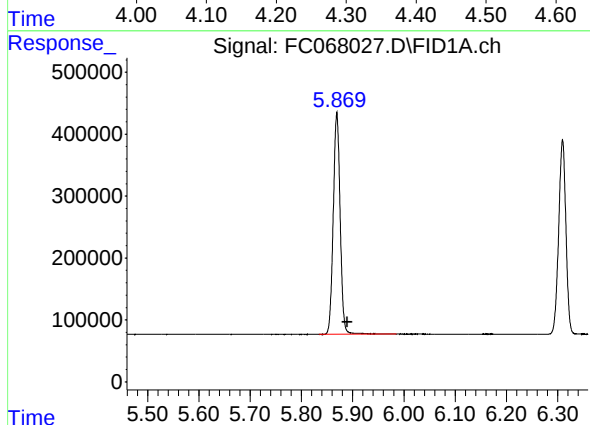
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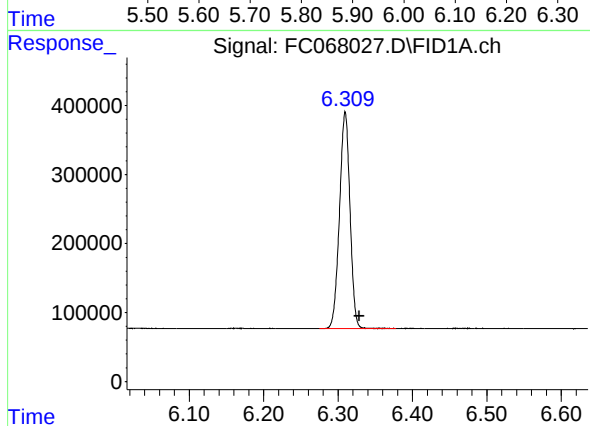
#2 n-Decane (C10)

R.T.: 4.296 min
Delta R.T.: -0.019 min
Response: 3047278
Conc: 19.22 ug/ml



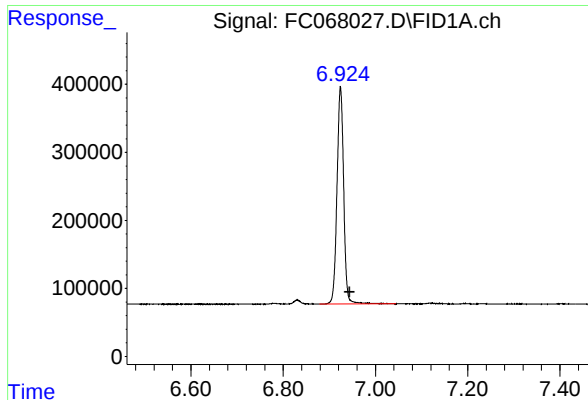
#3 A~Naphthalene (C11.7)

R.T.: 5.869 min
Delta R.T.: -0.020 min
Response: 3348978
Conc: 19.18 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.310 min
Delta R.T.: -0.019 min
Response: 3078494
Conc: 19.12 ug/ml



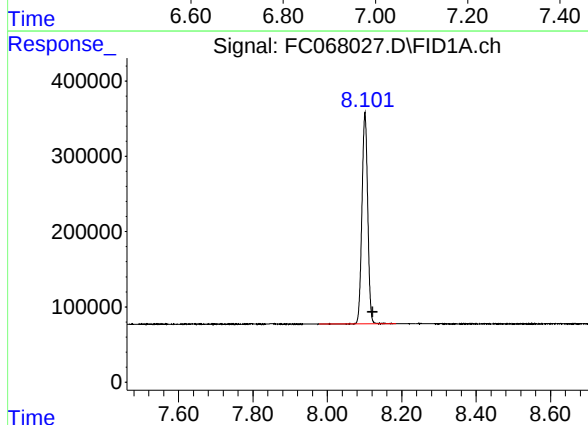
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.924 min
Delta R.T.: -0.020 min
Response: 3213243
Conc: 19.18 ug/ml

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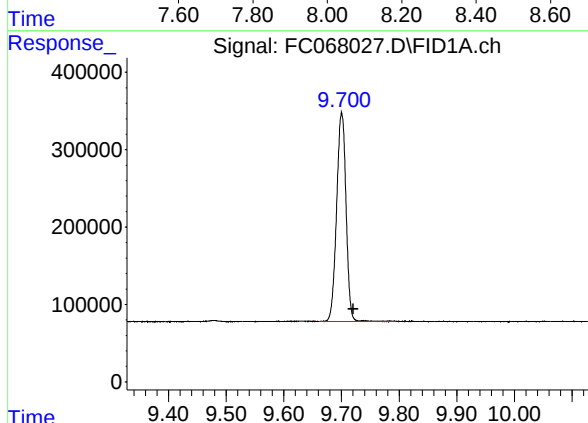
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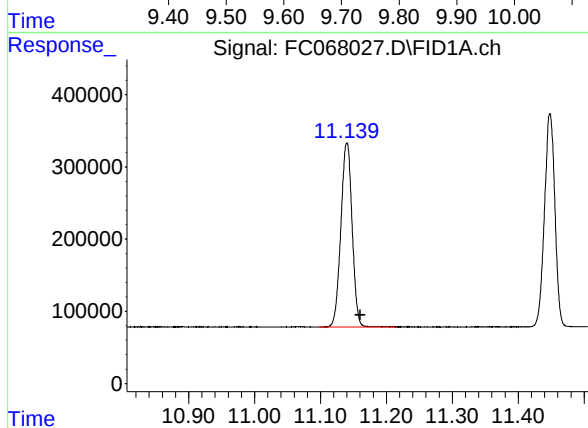
#6 n-Tetradecane (C14)

R.T.: 8.101 min
Delta R.T.: -0.020 min
Response: 3026344
Conc: 19.03 ug/ml



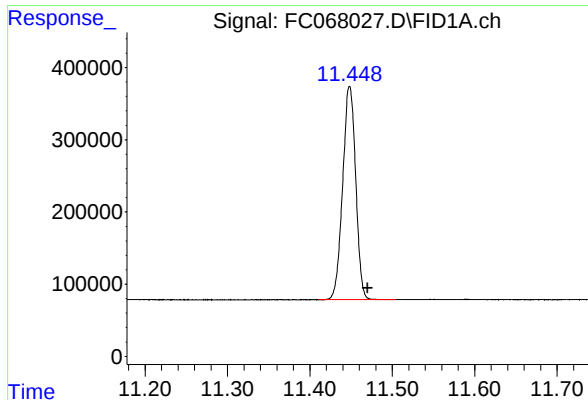
#7 n-Hexadecane (C16)

R.T.: 9.700 min
Delta R.T.: -0.020 min
Response: 3065375
Conc: 18.97 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.140 min
Delta R.T.: -0.020 min
Response: 3020630
Conc: 18.82 ug/ml



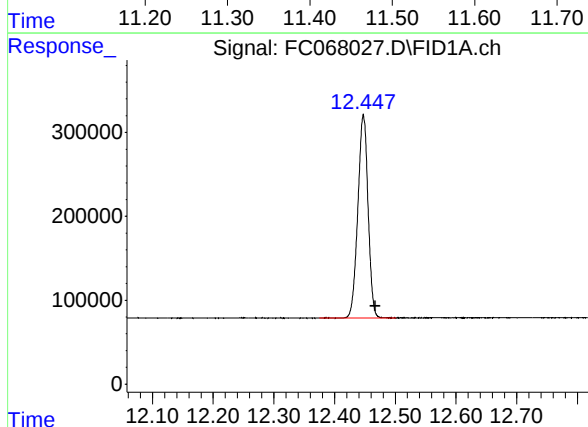
#9 ortho-Terphenyl (SURR)

R.T.: 11.448 min
Delta R.T.: -0.022 min
Response: 3238304
Conc: 18.73 ug/ml

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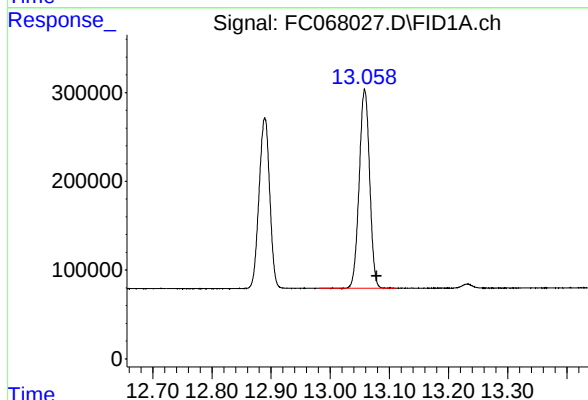
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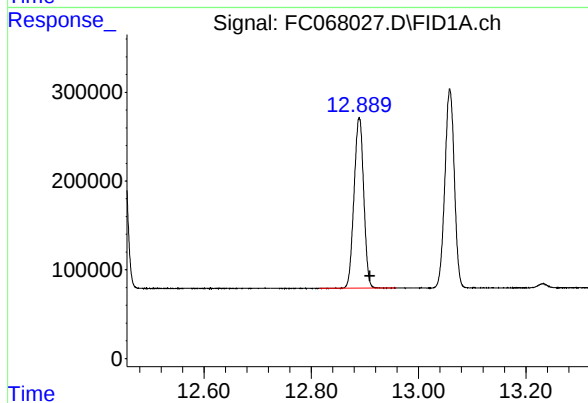
#10 n-Eicosane (C20)

R.T.: 12.448 min
Delta R.T.: -0.020 min
Response: 2827770
Conc: 18.80 ug/ml



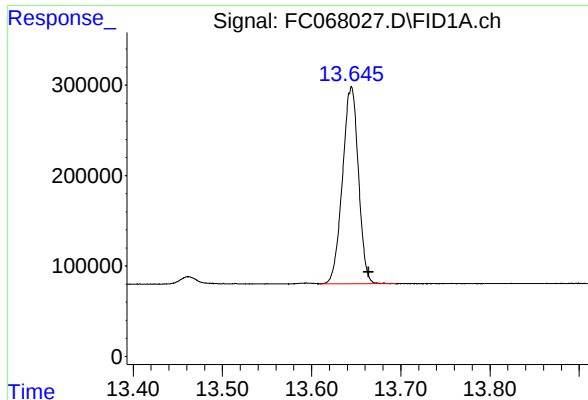
#11 n-Heneicosane (C21)

R.T.: 13.058 min
Delta R.T.: -0.020 min
Response: 2742207
Conc: 18.77 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.889 min
Delta R.T.: -0.020 min
Response: 2406111
Conc: 18.86 ug/ml



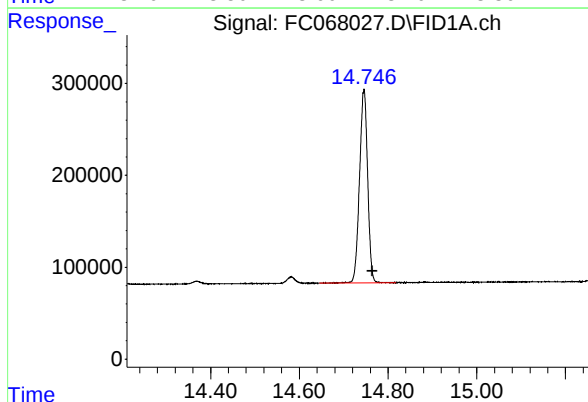
#13 n-Docosane (C22)

R.T.: 13.644 min
Delta R.T.: -0.020 min
Response: 2710284
Conc: 18.93 ug/ml

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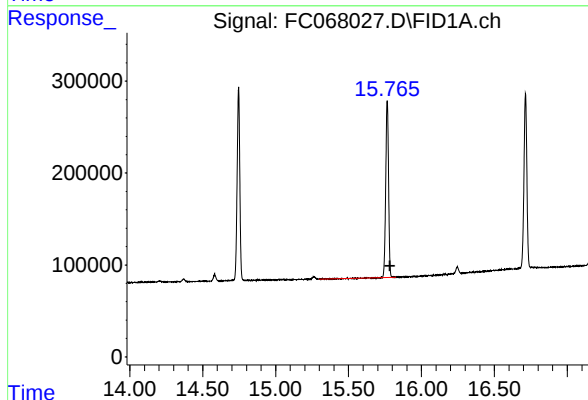
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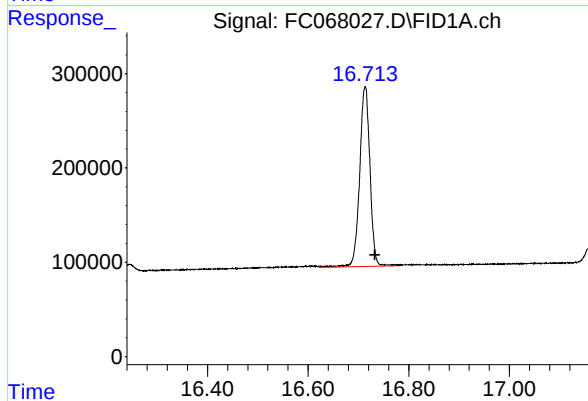
#14 n-Tetracosane (C24)

R.T.: 14.746 min
Delta R.T.: -0.019 min
Response: 2667581
Conc: 19.20 ug/ml



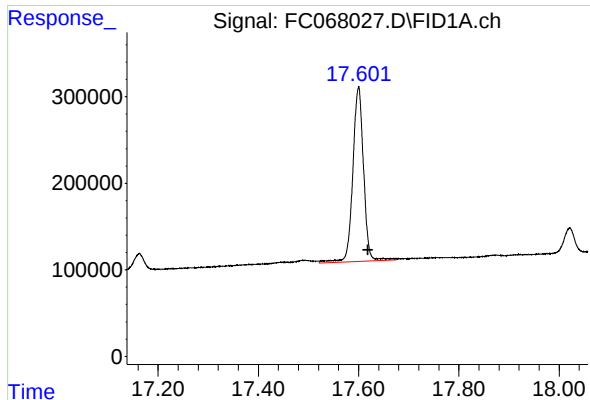
#15 n-Hexacosane (C26)

R.T.: 15.765 min
Delta R.T.: -0.020 min
Response: 2572618
Conc: 19.24 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.713 min
Delta R.T.: -0.020 min
Response: 2715586
Conc: 20.94 ug/ml



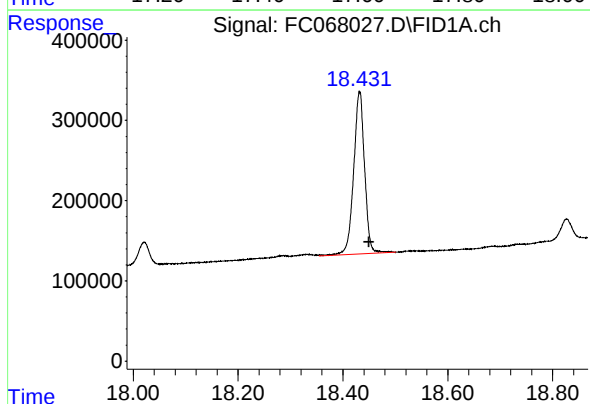
#17 n-Tricontane (C30)

R.T.: 17.600 min
Delta R.T.: -0.019 min
Response: 3010935
Conc: 23.24 ug/ml

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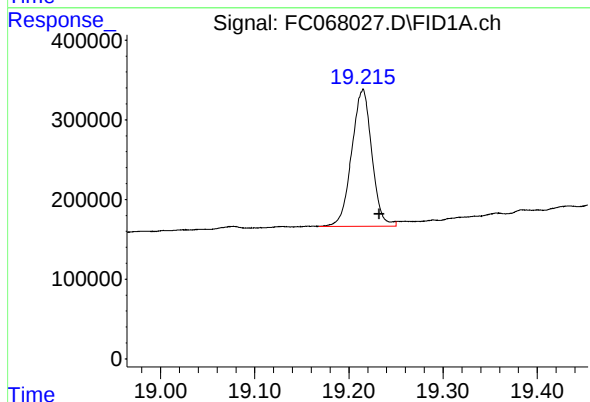
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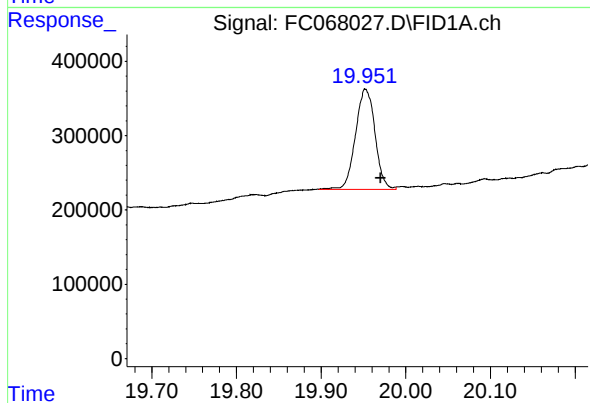
#18 n-Dotriacontane (C32)

R.T.: 18.432 min
Delta R.T.: -0.018 min
Response: 2942670
Conc: 23.75 ug/ml



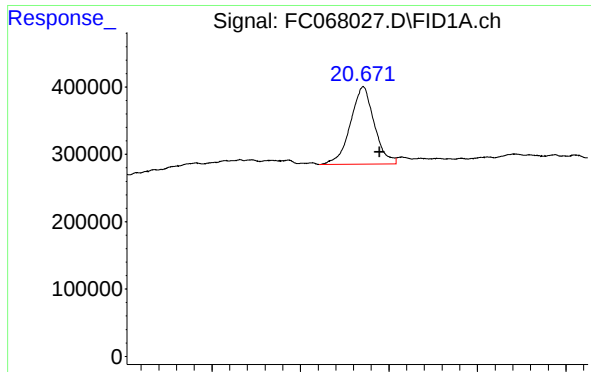
#19 n-Tetratriacontane (C34)

R.T.: 19.215 min
Delta R.T.: -0.017 min
Response: 2551710
Conc: 23.38 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 19.951 min
Delta R.T.: -0.019 min
Response: 2168862
Conc: 22.92 ug/ml m



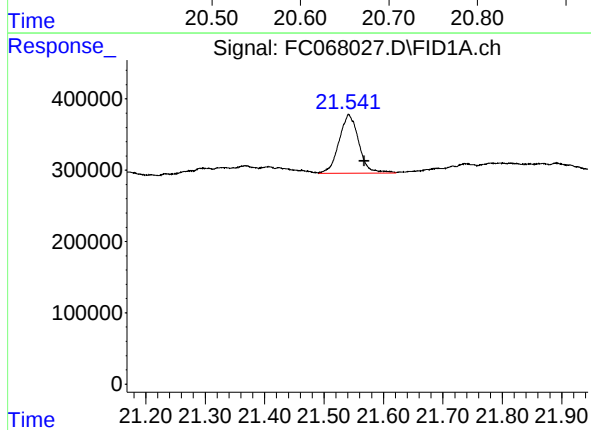
#21 n-Octatriacontane (C38)

R.T.: 20.671 min
Delta R.T.: -0.019 min
Response: 2159569
Conc: 23.87 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.541 min
Delta R.T.: -0.027 min
Response: 1915673
Conc: 21.73 ug/ml m